

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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First Named Inventor : Serrano-Morales  
Serial No. : 09/852,609  
Filed : May 9, 2001  
Art Unit : 2171  
Confirmation Number : 4894  
Examiner : Anthony Knight  
Title : Approach for Re-Using Business Rules  
Attorney Docket No. : ISAA0036

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October 26, 2007

Commissioner for Patents  
Mail Stop Certificate of Corrections  
P.O. Box 1450  
Alexandria, VA 22313-1450

### **Request for Certificate of Correction in Patent under 35 USC §254**

The enclosed Certificate of Correction (PTO Form 1050) for the above-identified patent is submitted under Rule 322.

The correction requested involves mistakes made by the Patent Office.

The Office has incorrectly listed [75] *Inventors* as "Carlos A. Serrano-Morales, Sunnyvale, CA (US); David J. Mellor, Burlingame, CA (US); Chris W. Werner, Tabuadelo (PT); Jean-Luc Marce, Sunnyvale, CA (US); Marc Lerman, Fontenay sous Bois (FR)." Please correct to read as follows: Carlos A. Serrano-Morales, Sunnyvale, CA (US); David J. Mellor, Burlingame, CA (US); Chris G.C. Werner, Tabuadelo (PT); Jean-Luc Marce, Sunnyvale, CA (US); Marc Lerman, Fontenay sous Bois (FR)."

Please see copies of the Filing Receipt, Published Application, and Issue Notification that were all mailed by the Patent Office showing the correct spelling of the third inventor, Chris G.C. Werner. Applicant is unclear how U.S. Patent No. 6,865,566 issued with the incorrect spelling, despite all documents in the file showing the correct spelling of the name of inventor Chris G.C. Werner.


The patentee is entitled to correction of good-faith transcription of a clerical error where "the correction does not involve such changes in the patent as would constitute new matter or would require reexamination." 35 U.S.C. § 255. Therefore, no new matter is provided with this Certificate of Correction.

The enclosed Certificate of Correction (PTO Form 1050) for the above-identified patent is submitted under Rule 323, in duplicate, with at least one copy being suitable for printing.

Please send the Certificate to the undersigned at the address shown below.

The Commissioner is hereby authorized to charge the fee of \$100 to Deposit Account 07-1445 (Order No. ISAA0036). This paper is provided in duplicate.

Respectfully Submitted,

  
Michael A. Glenn  
Reg. No. 30,176

Customer No. 22862

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 6,865,566

APPLICATION NO.: 09/852,609

ISSUE DATE : March 8, 2005

INVENTOR(S) : Carlos A. Serrano-Morales, David J. Mellor, Chris G.C. Werner, Jean-Luc Marce, Marc Lerman

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

[75] Inventors: Carlos A. Serrano-Morales, Sunnyvale, CA (US); David J. Mellor, Burlingame, CA (US); Chris G.C. Werner, Tabuadelo (PT); Jean-Luc Marce, Sunnyvale, CA (US); Marc Lerman, Fontenay sous Bois (FR).

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Glenn Patent Group  
3475 Edison Way, Suite L  
Menlo Park, CA 94025

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NUMBER	FILING DATE	GRP/PT UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/852,609 ✓	05/09/2001 ✓	2171	992 ✓	60000-0014 ✓	11 ✓	24 ✓	4 ✓

CONFIRMATION NO. 4894

## UPDATED FILING RECEIPT



\*OC00000007101773\*

NOV 26 2001

Date Mailed: 11/20/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Carlos A. Serrano-Morales, Sunnyvale, CA; ✓

David J. Mellor, Burlingame, CA; ✓

→ Chris G.C. Werner, Tabuadelo, PORTUGAL; 4 correct ✓

Jean-Luc Marce, Sunnyvale, CA; ✓

Marc Lerman, Fontenay Sous Bois, FRANCE; ✓

## Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/203,073 05/09/2000 ✓

## Foreign Applications

If Required, Foreign Filing License Granted 07/09/2001

Projected Publication Date: 02/28/2002

Non-Publication Request: No

Early Publication Request: No

## Title

Approach for re-using business rules ✓

DOCKETED

DATES:

11/26/01 ✓

Preliminary Class

 DATA  
 BASE  
 ENTRY



US 20020032688A1

COPY

(19) **United States**(12) **Patent Application Publication** (10) Pub. No.: **US 2002/0032688 A1**  
Serrano-Morales et al. (43) Pub. Date: **Mar. 14, 2002**(54) **APPROACH FOR RE-USING BUSINESS RULES****Publication Classification**(51) Int. Cl.<sup>7</sup> ..... G06F 7/00

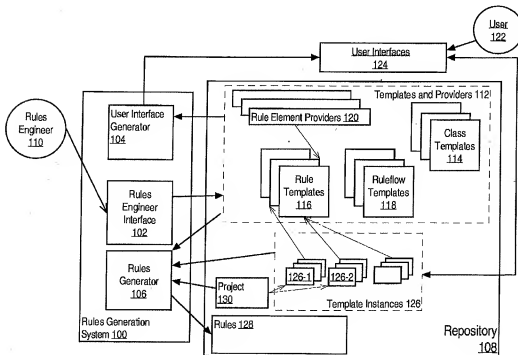
(52) U.S. Cl. .... 707/104.1; 707/1

(76) Inventors: **Carlos A. Serrano-Morales**,  
Sunnyvale, CA (US); **David J. Mellor**,  
Burlingame, CA (US); **Chris G.C. Werner**,  
Tabuadelo (PT); **Jean-Luc Marce**,  
Sunnyvale, CA (US); **Marc Lerman**,  
Fontenay Sous Bois (FR)

Correct →

Correspondence Address:  
**Hickman Palermo Truong & Becker, LLP**  
1600 Willow Street  
San Jose, CA 95125-5106 (US)(21) Appl. No.: **09/852,609**(22) Filed: **May 9, 2001****Related U.S. Application Data**(63) Non-provisional of provisional application No.  
60/203,073, filed on May 9, 2000.(57) **ABSTRACT**

An approach is described for developing software that executes rules, such as business rules. A group of rule templates defines a rule structure for rules that may be executed by a rules engine. Separate ruleflow templates define tasks that entail the execution of rules. Each of the ruleflow templates associates a task with the group of rule templates. Because the ruleflow templates define the association between the tasks and the group of rule templates, during execution of the tasks a rules engine executes rules defined by the group of templates. User interfaces are automatically generated based on the group of rule templates. A user may interact with the user interfaces to edit the rules defined by the group of templates. After editing the rules, executing the tasks associated with the group of templates will cause execution of the modified rules.





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154A0036  
**COPY**

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/852,609	03/08/2005	6865566	60000-0014	4894

7590

02/16/2005

Glenn Patent Group  
3475 Edison Way  
Suite L  
Menlo Park, CA 94025

## ACKNOWLEDGE RECEIPT

MAR 10 2005

GLENN PATENT GROUP

## ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

**Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment is 580 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

APPLICANT(s) (up to 18 names are included below, see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Carlos A. Serrano-Morales, Sunnyvale, CA;

David J. Mellor, Burlingame, CA;

→ Chris G.C. Werner, Tabuadelo, PORTUGAL; 4 — Correct

Jean-Luc Marce, Sunnyvale, CA;

Marc Lerman, Fontenay Sous Bois, FRANCE;

*adjusted exp. date Feb 21, 2021*

DOCKETED

By *[signature]*  
Date *3/11/05*



US0006865566B2

COPY

**(12) United States Patent**  
**Serrano-Morales et al.****(10) Patent No.: US 6,865,566 B2**  
**(45) Date of Patent: Mar. 8, 2005****(54) APPROACH FOR RE-USING BUSINESS RULES****(75) Inventors:** Carlos A. Serrano-Morales, Sunnyvale, CA (US); David J. Mellor, Burlingame, CA (US); Chris W. Werner, Tabuadelo (PT); Jean-Luc Marce, Sunnyvale, CA (US); Marc Lerman, Fontenay sous Bois (FR)**(73) Assignee:** Fair Isaac Corporation, San Diego, CA (US)**(\*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 580 days.**(21) Appl. No.: 09/852,609****(22) Filed: May 9, 2001****(65) Prior Publication Data**

US 2002/0032688 A1 Mar. 14, 2002

**Related U.S. Application Data****(60) Provisional application No. 60/203,073, filed on May 9, 2000.****(51) Int. Cl.<sup>7</sup> ..... G06F 17/00; G06F 15/18****(52) U.S. Cl. .... 706/47; 706/45; 706/46****(58) Field of Search ..... 706/45-47****(56) References Cited****U.S. PATENT DOCUMENTS**

5,283,856 A	*	2/1994	Gross et al.	706/47
5,555,346 A	*	9/1996	Gross et al.	706/45
5,627,764 A	*	5/1997	Schutzman et al.	709/207
5,802,253 A	*	9/1998	Gross et al.	706/47
5,835,771 A	*	11/1998	Veilthutzen	717/154
6,442,537 B1	*	8/2002	Karch	706/50
6,615,198 B1	*	9/2003	Aldrich	706/47

**OTHER PUBLICATIONS**

On the relation of order-statistics filters and template matching: optimal morphological pattern recognition Schonfeld, D.; Image Processing, IEEE Transactions on, vol. 9, Issue: 5, May 2000 pp.: 945-949.\*

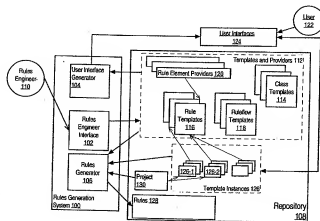
Creating a focused application simulator with flexible decision making capabilities MAzzioti, B.W.; Armstrong, F.B.; Simulation Conference Proceedings, 1994. Winter, Dec. 11-14, 1994 pp.: 1296-1303.\*

A multiplier-free fixed-task digital CNN array for video segmentation system Paasio, A.; Paakkulainen, J.; Isoaho, J.; Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE International Symposium on, vol.: 3, May 28-31, 2000 □□.\*

(List continued on next page.)

*Primary Examiner*—Anthony Knight*Assistant Examiner*—Michael B. Holmes*(74) Attorney, Agent, or Firm*—Glenn Patent Group; Michael A. Glenn; Robert Sachs**(57)****ABSTRACT**

An approach is described for developing software that executes rules, such as business rules. A group of rule templates defines a rule structure for rules that may be executed by a rules engine. Separate ruleflow templates define tasks that entail the execution of rules. Each of the ruleflow templates associates a task with the group of rule templates. Because the ruleflow templates define the association between the tasks and the group of rule templates, during execution of the tasks a rules engine executes rules defined by the group of templates. User interfaces are automatically generated based on the group of rule templates. A user may interact with the user interfaces to edit the rules defined by the group of templates. After editing the rules, executing the tasks associated with the group of templates will cause execution of the modified rules.

**20 Claims, 11 Drawing Sheets**

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 6,865,566

APPLICATION NO.: 09/852,609

ISSUE DATE : March 8, 2005

INVENTOR(S) : Carlos A. Serrano-Morales, David J. Mellor, Chris G.C. Werner, Jean-Luc Marce, Marc Lerman

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